

# **ABSTRACT**

Plasma generation system comprising a high voltage generator (20) connected to at least two electrodes (26, 28), one having a large radius of curvature, or having a plane geometry, and the other having a small radius of curvature, this high voltage generator being controlled (32, 34, 36) in such a way as to maintain constant the mean frequency of occurrence of the current discharges between the electrodes.

Figure 2